**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A shaped charge for forming a perforation in a subterranean formation, comprising:

a charge case;

an explosive charge;

a liner for retaining the explosive charge within the case, the liner comprising:

a ~~substantially contiguous~~ first liner membrane;

a ~~substantially contiguous~~ second liner membrane; and

a particulated filler material disposed between the first and second liner membranes, ~~which is substantially unconsolidated~~.

2. (Original) The shaped charge of claim 1 wherein the liner further comprises a metal cap disposed upon the first liner membrane.

3. (Original) The shaped charge of claim 1 wherein the filler comprises powdered metal.

4. (Original) The shaped charge of claim 1 wherein the filler material is a blend of coarse and fine particles.

5. (Original) The shaped charge of claim 1 wherein the first and second liner membranes are comprised of plastic.

6. (Original) The shaped charge of claim 1 wherein the first and second liner membranes are comprised of polyester.

7. (Original) The shaped charge of claim 1 wherein the first and second liner membranes are comprised of fiberglass.

8. (Original) The shaped charge of claim 1 wherein the first and second liner membranes are comprised of glass.

9. (Original) The shaped charge of claim 3 wherein particles of the powdered metal have a

polymer coating.

10. (Original) The shaped charge of claim 9 wherein the powdered metal comprises aluminum and the polymer comprises TEFLON®.

11. (Original) The shaped charge of claim 10 wherein the aluminum is passivated by a polymer coating.

12. (Original) The shaped charge of claim 1 wherein the filler material comprises hollow metal pellets.

13. (Original) The shaped charge of claim 1 wherein the filler material comprises glass balloons.

14. (Original) The shaped charge of claim 1 wherein the filler material comprises nano particles of material from the group consisting essentially of aluminum, copper, tungsten, copper-coated tungsten, and TEFLON®-coated aluminum.

15. (Original) The shaped charge of claim 1 wherein the first and second membranes are contiguously affixed to one another to completely enclose the filler material.

16. (Original) The shaped charge of claim 1 wherein the filler material has a density that is below formation density.

17. (Original) The shaped charge of claim 1 wherein the filler material has a density that is below 2.7 g/cc.

18. (Original) The shaped charge of claim 3 wherein the powdered metal comprises tungsten.

19. (Original) The shaped charge of claim 18 wherein the powdered tungsten is coated with copper.

20. (Currently Amended) A shaped charge for forming a perforation in a subterranean

formation, comprising:

a charge case adapted to be positioned in a perforating gun;

an explosive charge formed at least partially of an explosive material;

a liner for retaining the explosive charge within the case, the liner comprising:

~~an outer~~ a liner membrane; and

a filler material disposed encapsulated within the liner membrane, the filler material having a density that approximates ~~formation~~ the density of the formation.

21. (Currently Amended) The shaped charge of claim 20 wherein the density ~~if~~ of the filler material is ~~equal to or~~ less than~~, or higher than,~~ 2.7 g/cc.

22. (Original) The shaped charge of claim 20 wherein the filler material is particulated.

23. (Original) The shaped charge of claim 20 wherein the filler material comprises powdered aluminum.

24. (Original) The shaped charge of claim 23 wherein the filler material further comprises TEFLON®.

25. (Original) The shaped charge of claim 20 wherein the liner has a shape from the group consisting essentially of conical, cylindrical, trumpet, tulip, ball, and hemispherical.

26. (Original) A method of perforating a formation comprising:

generating a perforating jet having a metal precursor portion followed by a substantially particulated portion;

penetrating a wellbore casing with said metal precursor portion;

kissing the formation with said precursor portion; and

penetrating said formation with said particulated jet to form a perforation.

27. (Original) The method of claim 26 further comprising the step of initiating a secondary detonation reaction within the formation to open pores within the formation surrounding the perforation.

28. (Original) The method of claim 27 wherein the step of initiating a secondary detonation

reaction comprises heating air-filled pores in unconsolidated aluminum and rapidly oxidizing unconsolidated aluminum via proximity of fluorine atoms in a TEFLON® coating.

29. (Original) The method of claim 26 wherein the secondary burning reaction further comprises oxidizing aluminum through a TEFLON® coating.

30. (Original) The method of claim 26 further comprising the step of disposing unreacted polymer within the formation to reduce fluid viscosity.

31. (Original) The method of claim 26 further comprising the step of disposing unreacted TEFLON® within the formation to reduce fluid viscosity.

32. (Cancelled) An explosively formed penetrator comprising:

a charge case;

an explosive charge within said charge case;

a liner for retaining the explosive charge within the case, the liner comprising:

a substantially contiguous first liner membrane;

a substantially contiguous second liner membrane; and

a particulated filler material disposed between the first and second liner membranes, the filler material being substantially unconsolidated.

33. (Currently Amended) The ~~explosively formed penetrator~~ shaped charge of claim ~~32~~ 20 wherein the explosively formed penetrator further comprises a metal cap disposed upon the first liner membrane.

34. (Currently Amended) The ~~explosively formed penetrator~~ shaped charge of claim ~~32~~ 20 wherein the liner forming ~~the~~ a precursor jet is conformal to the charge case.